## GXR Major Specifications

| Items | | Specifications |
|---|---|---|
| Flash | Mode | Auto (flash fires when lighting is poor or subject is backlit), red-eye, on, slow sync, manual, off |
| | Range (built-in flash) | Refer to camera unit specifications. |
| | Flash compensation | ±2.0 EV in increments of 1/2EV or 1/3EV |
| | Manual flash amount | FULL, 1/1.4, 1/2, 1/2.8, 1/4, 1/5.6, 1/8, 1/11, 1/16, 1/22, 1/32, 1/64 |
| Picture display | | 3.0" transparent LCD; approx. 920,000 pixels |
| Shooting mode | | Auto, program shift, aperture priority, shutter priority, manual, scene (movie, portrait, sports, landscape, nightscape, skew correction), " My Settings" |
| Picture quality | | Fine, Normal, RAW (DNG) [*1] |
| Storage | | SD/SDHC memory card, internal memory (approx. 86 MB) |
| File size | | Refer to camera unit specifications. |
| File format | Photographs | JPEG (Exif Ver. 2.21) [*2], RAW (DNG) |
| | Movies | AVI [*3](Open DML Motion JPEG compliant) |
| | Compression | JPEG baseline compliant (photographs and movies) |
| Other shooting options | | Continuous shooting (continuous, M-Cont Plus); self-timer (shutter release delay of approx. 10 s or 2 s, or custom setting); interval timer (intervals of 5 s to 1 hour in increments of 5 s)[*4] color bracketing; B&W (TE); color space selection; noise reduction; histogram display; framing grid; depth-of-field indicator; tilt indicator; hot shoe |
| Other playback options | | Auto image rotation (when camera unit attached); multi-frame playback; playback zoom (up to 16x); resize |
| Interface | | USB 2.0 (High-Speed) Mini-B connector; Mass Storage [*5]; AV output (NTSC), HDMI connector (Mini HDMI Type C) |
| Video signal format | | NTSC, PAL |
| Power source | | DB-90 rechargeable battery (3.6V) |
| Battery life | | Refer to camera unit specifications. |

| Dimensions (W x H x D) | 113.9 mm x 70.2 mm x 37.5 mm (excluding projections) |
|---|---|
| Weight | Camera body (excluding battery, memory card, neck strap, and connector cap): 160 g<br>Battery, neck strap, and connector cap: 66 g |
| Tripod screw hole | 1/4-20UNC |
| Operating temperature | 0 °C to 40 °C |
| Date storage time | Approx. 1 week |
| Operating humidity | 85% or less |
| Storage temperature | -20 °C to 60 °C |

- *1 A JPEG file is also recorded (the JPEG file may be a fine or normal quality file with the same dimensions as the RAW file or a VGA file). RAW files use the standard DNG format promoted by Adobe Systems Incorporated
- *2 Compatible with the Design rule for Camera File system (DCF, a JEITA standard) and DPOF. Full compatibility with other devices is not guaranteed.
- *3 Audio: PCM 32 kHz, 16 bit monaural
- *4 Flash off.
- *5 Mass Storage is supported under Windows 2000, Windows XP, Windows Vista®, Windows® 7, and Mac OS 9.0-9.2.2, Mac OS X 10.1.2-10.6.4

## GXR Software

| | Windows 7 | Windows Vista | Windows XP | Windows 2000 |
|---|---|---|---|---|
| 1.DL-10 | ○ | ○ | ○ | ○ |
| 2.Irodio Photo & Video Studio | △ *1 | ○ | ○ | ○ |
| 3.Adobe Reader | x | ○ | ○ | ○ |

- * To playback MP files and output still images from MP files on a Macintosh PC, please use the enclosed VM-1 Macintosh software for viewing MP files (compatible OS: Mac OS X 10.4-10.6.4).
- *1 There are limitations on some functions. For the letest version, please see the PIXELA webpage.

## GXR System Requirements

| | Windows |
|---|---|
| Operating system | Windows 2000 Professional Service Pack 4<br>Windows XP Home Edition Service Pack 3 / Professional Service Pack 3 |

| | Windows Vista Service Pack 2 / Windows 7 |
|---|---|
| CPU | Windows 2000 / XP: Pentium ®III 500MHz or more, <br> Windows Vista / Windows 7: Pentium ®III 1GHz or more |
| Memory | Windows 2000 / Windows XP : 256MB or more <br> Windows Vista / Windows 7 : 512MB or more |
| Available disk space on hard drive at installation time | 160MB or more |
| Display Resolution | 1024 x 768 dots or greater |
| Display Colors | 65000 colors or greater |
| CD-ROM Drive | A CD-ROM drive compatible with the above-mentioned computer |
| USB Port | A USB port compatible with the above-mentioned computer |

- * When the GXR is connected to a PC, only a USB connection can be used. Serial connection is not supported.
- * It is necessary for the above OS to be preinstalled and for the USB port to be standard equipment.
- * The 64-bit OS version is not supported.
- * The GXR is compatible with Mac OS 9.0 to 9.2.2 and Mac OS X 10.1.2 to 10.6.4 by mass storage connection.

## GR LENS A12 50 mm F2.5 MACRO - Major Specifications

| Items | | Specifications |
|---|---|---|
| Effective pixels | | Approximately 12.3 million |
| Image sensor | | 23.6 mm x 15.7 mm CMOS (total pixels: approx. 12.9 million) |
| Lens | Focal length | 33 mm (35 mm format equivalent: 50mm) |
| | Aperture (f-number) | f/2.5 - f/22 (ND filter used for apertures of f/22 in auto shooting mode) |
| | Focus range (from lens) | Normal shooting: Approx. 30 cm - infinity |
| | | Macro shooting: Approx. 7 cm - infinity (maximum magnification 1/2x) |
| | Construction | 9 elements in 8 groups (1 aspherical lens element with 2 surfaces) |
| | Filter size | 40.5 mm |
| Zoom | | 4.0x digital zoom (3.6x for movies) <br> 5.9x auto resize zoom (VGA) |

| | | | |
|---|---|---|---|
| Focus mode | | | Contrast AF-based multi and spot AF; MF; Snap; infinity (focus lock and AF-assist) |
| Shutter speed | Photographs | | 180 - 1/3200 s (upper and lower limits vary according to shooting and flash mode) |
| | Movies | | 1/30 - 1/2000 s |
| Exposure control | Metering | | TTL-CCD metering in multi (256-segment), center-weighted, and spot modes with autoexposure lock |
| | Mode | | Program AE, aperture priority AE, manual exposure, shutter priority AE, move target function |
| | Exposure Compensation | | Manual (+4.0 to -4.0 EV in increments 1/3 EV or 1/2 EV), auto bracketing (-2 EV to +2 EV in increments 1/3 EV or 1/2 EV) |
| ISO sensitivity (Standard Output Sensitivity) | | | AUTO, AUTO-HI, ISO200/ISO400/ISO800/ISO1600/ISO3200 |
| White balance | | | Auto / Multi-P AUTO / Outdoors / Cloudy / Incandescent Lamp / Fluorescent Lamp / Manual Settings / Detail; white balance Bracketing |
| Flash | Range (built-in flash) | | Approx. 20 cm - 3.0 m (ISO auto) |
| Shooting mode | | | Auto / program shift / aperture priority / shutter priority / manual /scene (movie, portrait, sports, landscape, nightscape, skew correction) / "My Settings" |
| Continuous mode | Number of pictures shot in Continuous (Picture Size: RAW) | | Noise Reduction off or on (Weak): 4 pictures <br> Noise Reduction on (Strong): 3 pictures |
| | Number of pictures shot in M-Cont Plus (1 set) | | HI (1280 x 854): 30 pictures (24 Frames/Sec) <br> LO (4228 x 2848): 15 pictures (3 Frames/Sec) |
| Picture quality [1] | | | FINE, NORMAL, RAW (DNG) [2] |
| Image size (pixels) | Photographs | 16:9 | 4288 x 2416, 3456 x 1944 |
| | | 4:3 | 3776 x 2832, 3072 x 2304, 2592 x 1944, 2048 x 1536, 1280 x 960, 640 x 480 |
| | | 3:2 | 4288 x 2848, 3456 x 2304 |
| | | 1:1 | 2848 x 2848, 2304 x 2304 |
| | Movies [3](24 Frames/Sec) | | 1280 x 720, 640 x 480, 320 x 240 |
| File size (approx.) | RAW | 16:9 | NORMAL: 17,800 KB/frame, FINE: 19,515 KB/frame, VGA: 15,587 KB/frame |

| | | 4:3 | NORMAL: 18,387 KB/frame, FINE: 20,157 KB/frame, VGA: 16,124 KB/frame |
|---|---|---|---|
| | | 3:2 | NORMAL: 20,946 KB/frame, FINE: 22,967 KB/frame, VGA: 18,337 KB/frame |
| | | 1:1 | NORMAL: 13,991 KB/frame, FINE: 15,333 KB/frame, VGA: 12,273 KB/frame |
| | L | 16:9 | NORMAL: 2,222 KB/frame, FINE: 3,816 KB/frame |
| | | 4:3 | NORMAL: 2,315 KB/frame, FINE: 3,960 KB/frame |
| | | 3:2 | NORMAL: 2,615 KB/frame, FINE: 4,493 KB/frame |
| | | 1:1 | NORMAL: 1,761 KB/frame, FINE: 3,009 KB/frame |
| | M | 16:9 | NORMAL: 1,475 KB/frame, FINE: 2,509 KB/frame |
| | | 4:3 | NORMAL: 1,574 KB/frame, FINE: 2,662 KB/frame |
| | | 3:2 | NORMAL: 1,744 KB/frame, FINE: 2,968 KB/frame |
| | | 1:1 | NORMAL: 1,186 KB/frame, FINE: 2,003 KB/frame |
| | 5M | 4:3 | FINE: 2,287 KB/frame |
| | 3M | 4:3 | FINE: 1,474 KB/frame |
| | 1M | 4:3 | FINE: 812 KB/frame |
| | VGA | 4:3 | FINE: 197 KB/frame |
| Battery life | | | Based on CIPA standard, DB-90: approx. 320 shots [4] |
| Dimensions (W x H x D) | | | Camera unit only: 68.7 mm x 57.9 mm x 71.3 mm (including the lens barrel; Excluding the connector) When mounted on the camera body: 113.9 mm x 70.2 mm x 77.1 mm (including the lens barrel) |
| Weight (approx.) | | | Camera unit only: 263 g (not including the lens cap or Connector cap) When mounted on the camera body: 423 g (not including the Battery, memory card, neck strap, connector cap, or lens cap) |
| Operating temperature | | | 0 °C to 40 °C |
| Operating humidity | | | 85% or less |
| Storage temperature | | | -20 °C to 60 °C |

- *1 The picture quality modes which can be set vary depending on the image size.

- *2 A JPEG file is also recorded (the JPEG file may be a FINE- or NORMAL-quality file with the same dimensions as the RAW file or a VGA file 640 × 480 pixels in size). RAW files use the standard DNG format promoted by Adobe Systems Incorporated.
- *3 When shooting movies of 1280×720 size, the use of an SD/SDHC memory card with an SD speed class of Class 6 or higher is recommended.
- *4 For reference only; actual number of shots varies greatly according to how camera is used. We recommend that you carry spare batteries when in use for extended periods. (Shooting capacity was measured using CIPA-standard parameters. These are only estimates; performance may vary depending on usage conditions.)

## GR LENS A12 50 mm F2.5 MACRO SD Memory Card Storage Capacity (Number of Images and Time)

**[Still image mode]**

| Compression rate | Picture size | Internal | 1GB | 2GB | 4GB | 8GB | 16GB | 32GB |
|---|---|---|---|---|---|---|---|---|
| RAW* FINE | 4288x2416 | 4 | 49 | 100 | 197 | 404 | 810 | 1625 |
| | 3776x2832 | 4 | 47 | 97 | 191 | 391 | 784 | 1573 |
| | 4288x2848 | 3 | 42 | 85 | 168 | 343 | 688 | 1380 |
| | 2848x2848 | 5 | 63 | 128 | 251 | 513 | 1029 | 2065 |
| L FINE | 4288x2416 | 21 | 235 | 476 | 935 | 1912 | 3830 | 7684 |
| | 3776x2832 | 20 | 227 | 462 | 907 | 1854 | 3715 | 7453 |
| | 4288x2848 | 18 | 200 | 407 | 799 | 1633 | 3272 | 6565 |
| | 2848x2848 | 27 | 299 | 608 | 1195 | 2442 | 4893 | 9815 |
| M FINE | 3456x1944 | 32 | 357 | 724 | 1419 | 2902 | 5814 | 11662 |
| | 3072x2304 | 30 | 337 | 683 | 1341 | 2741 | 5491 | 11014 |
| | 3456x2304 | 27 | 302 | 614 | 1206 | 2466 | 4941 | 9913 |
| | 2304x2304 | 41 | 447 | 903 | 1774 | 3627 | 7267 | 14578 |
| 5M FINE | 2592x1944 | 34 | 373 | 758 | 1490 | 3045 | 6101 | 12238 |
| 3M FINE | 2048x1536 | 53 | 581 | 1182 | 2321 | 4744 | 9503 | 19063 |
| 1M FINE | 1280x960 | 96 | 1059 | 2118 | 4160 | 8505 | 17039 | 34181 |
| VGA FINE | 640x480 | 395 | 4316 | 8778 | 17237 | 35231 | 70579 | 141581 |

**[Movie Mode]**

| Picture size | Internal | 1GB | 2GB | 4GB | 8GB | 16GB | 32GB |
|---|---|---|---|---|---|---|---|
| 1280x720 (24frames/sec) | 21 sec. | 3 min. 49 sec. | 7 min. 46 sec. | 15 min. 58 sec. | 31 min. 10 sec. | 62 min. 26 sec. | 125 min. 15 sec. |
| 640x480 (24frames/sec) | 1 min. | 11 min. 2 sec. | 22 min. 27 sec. | 46 min. 10 sec. | 90 min. 7 sec. | 180 min. 32 sec. | 362 min. 9 sec. |
| 320x240 (24frames/sec) | 2 min. 25 sec. | 26 min. 24 sec. | 53 min. 43 sec. | 110 min. 27 sec. | 215 min. 35 sec. | 431 min. 52 sec. | 866 min. 19 sec. |

- * When RAW is selected, this is the compression rate for the simultaneously recorded copy.
- * For shooting capacity, the number of stillimages and movie time are estimates.
- * Movies may be up to 90 minutes in length or 4 GB in size.
- * The number of exposures remaining as shown on the picture display may differ from the actualnumber because image file size varies depending on the subject.
- * The shooting capacity for number of still images and movie recordingtime may vary depending on the capacity of the recording media (internal memory or SD memory card), the shooting conditions, and thetype and manufacturer of the SD memory card.
- * A high-speed memory card is recommended when shooting for long periods.
- * For othercompression rates please check the website.

## RICOH LENS S10 24-72 mm F2.5-4.4 VC - Major Specifications

| Item | | Specifications |
|---|---|---|
| Effective pixels | | Approximately 10.0 million |
| Image sensor | | 1/1.7" CCD (total pixels: approx. 10.4 million) |
| Lens | Focal length | 5.1 mm - 15.3 mm (35 mm format equivalent: 24-72 mm) |
| | Aperture (F-number) | f/2.5 - f/4.4 (T) (wide-open f value) |
| | Focus range (from the front of the lens) | Normal shooting: Approx. 30 cm to infinity |
| | | Macro shooting: Approx. 1 cm to infinity (wide angle); Approx. 4 cm to infinity (telephoto); approx. 1 cm to infinity (zoom macro) |
| | Construction | 11 elements in 7 groups (4 aspherical lens elements with 4 surfaces) |
| Zoom | | 3.0 x optical zoom; 4.0 x digital zoom; approx. 5.7 x auto resize zoom (VGA) |
| Focus mode | | CCD-based multi and spot AF; MF; Snap; infinity (focus lock and AF- |

| | | | |
|---|---|---|---|
| | | | assist) |
| Camera shake correction function | | | Image sensor shift method image stabilizer |
| Shutter speed | Photographs | | 180 - 1/2000 s (upper and lower limits vary according to shooting and flash mode) |
| | Movies | | 1/30 - 1/2000 s |
| Exposure control | Metering | | TTL-CCD metering in multi (256-segment), center-weighted, and spot modes with autoexposure lock |
| | Mode | | Program AE, aperture priority AE, manual exposure, shutter priority AE, move target function |
| | Exposure compensation | | Manual (+4.0 to -4.0 EV in increments 1/3 EV or 1/2 EV), auto bracketing (-2 EV to +2 EV in increments 1/3 EV or 1/2 EV) |
| ISO sensitivity (Standard Output Sensitivity) | | | Auto, Auto-Hi, ISO 100, ISO 200, ISO 400, ISO 800, ISO 1600, ISO 3200 |
| White balance | | | Auto / Multi-P AUTO / Outdoors / Cloudy / Incandescent Lamp / Fluorescent Lamp / Manual Settings / Detail; white balance Bracketing |
| Flash | Range (built-in flash) | | Approx. 20 cm - 4.5 m (wide-angle), Approx. 15 cm -2.7 m (telephoto) |
| Shooting mode | | | Auto / program shift / aperture priority / shutter priority / manual /scene (movie, portrait, sports, landscape, nightscape, skew correction, zoom macro) / "My Settings" |
| Continuous mode | Number of pictures shot in Continuous (Picture Size: RAW) | | Noise Reduction off: 5 pictures (under ISO800), 4 pictures (ISO800 and higher); Noise Reduction on (Weak or Strong): 4 pictures |
| | Number of pictures shot in M-Cont Plus (1 set) | | HI (640 x 480) : 30 pictures (30 Frames/Sec)<br>LO (3648 x 2736) : 15 pictures (1.6 Frames/Sec) |
| Picture quality [1] | | | FINE, NORMAL, RAW (DNG) [2] |
| Image size (pixels) | Photographs | 16:9 | 3648 x 2048, 3264 x 1840 |
| | | 4:3 | 3648 x 2736, 3264 x 2448, 2592 x 1944, 2048 x 1536, 1280 x 960, 640 x 480 |
| | | 3:2 | 3648 x 2432, 3648 x 2176 |
| | | 1:1 | 2736 x 2736, 2448 x 2448 |
| | Movies (30 Frames/Sec) | | 640 x 480, 320 x 240 |
| File size (approx.) | RAW | 16:9 | NORMAL: 12,923 KB/frame,<br>FINE: 14,160 KB/frame, |

| | | | |
|---|---|---|---|
| | | | VGA: 11,347 KB/frame |
| | | 4:3 | NORMAL: 17,202 KB/frame,<br>FINE: 18,854 KB/frame,<br>VGA: 15,096 KB/frame |
| | | 3:2 | NORMAL: 15,311 KB/frame,<br>FINE: 16,779 KB/frame,<br>VGA: 13,439 KB/frame |
| | | 1:1 | NORMAL: 12,956 KB/frame,<br>FINE: 14,195 KB/frame,<br>VGA: 11,377 KB/frame |
| | L | 16:9 | NORMAL: 1,630 KB/frame,<br>FINE: 2,779 KB/frame |
| | | 4:3 | NORMAL: 2,169 KB/frame,<br>FINE: 3,704 KB/frame |
| | | 3:2 | NORMAL: 1,930 KB/frame,<br>FINE: 3,295 KB/frame |
| | | 1:1 | NORMAL: 1,633 KB/frame,<br>FINE: 2,784 KB/frame |
| | M | 16:9 | NORMAL: 1,329 KB/frame,<br>FINE: 2,253 KB/frame |
| | | 4:3 | NORMAL: 1,761 KB/frame,<br>FINE: 2,990 KB/frame |
| | | 3:2 | NORMAL: 1,567 KB/frame,<br>FINE: 2,660 KB/frame |
| | | 1:1 | NORMAL: 1,327 KB/frame,<br>FINE: 2,248 KB/frame |
| | 5M | 4:3 | FINE: 2,287 KB/frame |
| | 3M | 4:3 | FINE: 1,474 KB/frame |
| | 1M | 4:3 | FINE: 812 KB/frame |
| | VGA | 4:3 | FINE: 197 KB/frame |
| Battery life | | | Based on CIPA standard DB-90: approx. 410 shots ) [3] |
| Dimensions (W x H x D) | | | Camera unit only: 68.7 mm x 57.9 mm x 38.6 mm (excluding projections)<br>When mounted on the camera body: 113.9 mm x 70.2 mm x 44.4 mm (excluding projections) |

| Weight (approx.) | Camera unit only: 161 g (not including the lens cap or connector cap)<br>When mounted on the camera body: 325 g (not including the battery, memory card, neck strap, connector cap, or lens cap) |
|---|---|
| Operating temperature | 0 °C to 40 °C |
| Operating humidity | 85% or less |
| Storage temperature | -20 °C to 60 °C |

- *1 The picture quality modes which can be set vary depending on the image size.
- *2 A JPEG file is also recorded (the JPEG file may be a FINE- or NORMAL-quality file with the same dimensions as the RAW file or a VGA file 640 × 480 pixels in size). RAW files use the standard DNG format promoted by Adobe Systems Incorporated.
- *3 For reference only; actual number of shots varies greatly according to how camera is used. We recommend that you carry spare batteries when in use for extended periods. (Shooting capacity was measured using CIPA-standard parameters. These are only estimates; performance may vary depending on usage conditions.)

## RICOH LENS S10 24-72 mm F2.5-4.4 VC SD Memory Card Storage Capacity (Number of Images and Time)

**[Still image mode]**

| Compression rate | Picture size | Internal | 1GB | 2GB | 4GB | 8GB | 16GB | 32GB |
|---|---|---|---|---|---|---|---|---|
| RAW *<br>FINE | 3648x2048 | 6 | 68 | 138 | 272 | 556 | 1115 | 2237 |
|  | 3648x2736 | 4 | 51 | 104 | 204 | 418 | 837 | 1680 |
|  | 3648x2432 | 5 | 57 | 117 | 229 | 469 | 941 | 1888 |
|  | 2736x2736 | 6 | 68 | 138 | 271 | 555 | 1113 | 2232 |
| L<br>FINE | 3648x2048 | 29 | 323 | 653 | 1284 | 2624 | 5257 | 10546 |
|  | 3648x2736 | 22 | 242 | 497 | 965 | 1973 | 3953 | 7930 |
|  | 3648x2432 | 24 | 272 | 553 | 1087 | 2222 | 4452 | 8930 |
|  | 2736x2736 | 29 | 323 | 653 | 1284 | 2624 | 5257 | 10546 |
| M<br>FINE | 3264x1840 | 36 | 397 | 808 | 1588 | 3245 | 6502 | 13043 |
|  | 3264x2448 | 27 | 300 | 608 | 1195 | 2442 | 4893 | 9815 |
|  | 3264x2176 | 30 | 337 | 683 | 1341 | 2741 | 5491 | 11014 |
|  | 2448x2448 | 36 | 400 | 808 | 1588 | 3245 | 6502 | 13043 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 5M FINE | 2592x1944 | 34 | 373 | 758 | 1490 | 3045 | 6101 | 12238 |
| 3M FINE | 2048x1536 | 53 | 581 | 1182 | 2321 | 4744 | 9503 | 19063 |
| 1M FINE | 1280x960 | 96 | 1059 | 2118 | 4160 | 8505 | 17039 | 34181 |
| VGA FINE | 640x480 | 395 | 4316 | 8778 | 17237 | 35231 | 70579 | 141581 |

**[Movie Mode]**

| Picture Size | Internal | 1GB | 2GB | 4GB | 8GB | 16GB | 32GB |
|---|---|---|---|---|---|---|---|
| 640x480 (30frames/sec) | 49sec. | 8min. 55sec. | 18min. 8sec. | 37min. 18sec. | 72min. 50sec. | 145min. 54sec. | 292min. 41sec. |
| 320x240 (30frames/sec) | 1min. 59sec. | 21min. 39sec. | 44min. 2sec. | 90min. 33sec. | 176min. 44sec. | 354min. 3sec. | 710min. 13sec. |

- * When RAW is selected, this is the compression rate for the simultaneously recorded copy.
- * For shooting capacity, the number of stillimages and movie time are estimates.
- * Movies may be up to 90 minutes in length or 4 GB in size.
- * The number of exposures remaining as shown on the picture display may differ from the actualnumber because image file size varies depending on the subject.
- * The shooting capacity for number of still images and movie recordingtime may vary depending on the capacity of the recording media (internal memory or SD memory card), the shooting conditions, and thetype and manufacturer of the SD memory card.
- * A high-speed memory card is recommended when shooting for long periods.
- * For othercompression rates please check the website.

## RICOH LENS P10 28-300 mm F3.5-5.6 VC - Major Specifications

| Item | | Specifications |
|---|---|---|
| Effective pixels | | Approximately 10 million |
| Image sensor | | 1/2.3-inch CMOS sensor (total pixels: approx. 10.60 million pixels) |
| Lens | Focal length | f=4.9-52.5 mm (35 mm equivalent: 28-300 mm) |
| | Aperture (F-number) | f/3.5 – f/5.6 |
| | Focus range (from the front of the lens) | Normal shooting: Approx. 30 cm - infinity (wide-angle), approx. 1.5 m - infinity (telephoto) |
| | Macro shooting (from the front of the lens) | Approx. 1 cm - infinity (wide-angle), approx. 27 cm - infinity (telephoto), approx. 1 cm - infinity (zoom macro) |

| | | | |
|---|---|---|---|
| | Construction | | 10 elements in 7 groups (4 aspherical lens elements with 5 surfaces) |
| Zoom | | | 10.7× optical zoom; 4.0× digital zoom (2.8x for movies, HD), approx. 5.7× auto resize zoom (VGA) |
| Focus mode | | | Multi AF; Spot AF; MF: Snap; ∞; Multi-trgt AF (AF auxiliary light and focus bracketing available) |
| Camera shake correction function | | | Image sensor shift method image stabilizer |
| Shutter speed | Photographs | | 1/2000 - 30 s (upper and lower limits vary according to shooting and flash mode) |
| | Movies | | 1/30 - 1/2000 s |
| Exposure control | Metering | | Multi (256-segment), center-weighted, and spot modes (TTL metering with auto exposure lock) |
| | Mode | | Program AE, aperture priority AE [*1], manual exposure, shutter, priority AE, move target function |
| | Exposure compensation | | Manual (+4.0 to -4.0 EV in increments 1/3 EV or 1/2 EV), auto bracketing (-2 EV to +2 EV in increments 1/3 EV or 1/2 EV) |
| ISO sensitivity (Standard Output Sensitivity) | | | Auto, Auto-Hi, ISO 100, ISO 200, ISO 400, ISO 800, ISO 1600, ISO 3200 |
| White balance | | | Auto / Multi-P AUTO / Outdoors / Cloudy / Incandescent Lamp 1 / Incandescent Lamp 2 / Fluorescent Lamp / Manual Settings / Detail; white balance Bracketing |
| Flash | Range (built-in flash) | | Approx. 20 cm – 4.0 m (wide-angle), approx. 28 cm – 2.5 m (telephoto) (ISO AUTO) |
| Shooting mode | | | Auto / program shift / aperture priority [*1] / shutter priority / manual /scene (movie, portrait, sports, landscape, nightscape, skew correction, dynamic range double shot, zoom macro) / "My Settings" |
| Continuous mode | Number of pictures shot in Continuous (Picture Size: RAW) | | Noise Reduction off: 5 pictures; Noise Reduction on weak, strong, or MAX: 4 pictures |
| | Number of pictures shot in M-Cont Plus (1 set) | | Low (3648 × 2736): 15 pictures (5 frames/sec.), Hi (1728 × 1296): 26 pictures (30 frames/sec.) |
| | Number of pictures shot in Ultra-high-speed Cont (1 set) | | Low (640 × 480): 120pictures (60 frames/sec.), Hi (640 × 480): 120 pictures (120frames/sec.) |
| Picture quality [*2] | | | FINE, NORMAL, RAW (DNG) [*3] |
| Image size | Photographs | 16:9 | 3648 x 2048, 3264 x 1840 |

| (pixels) | | 4:3 | 3648 x 2736, 3264 x 2448, 2592 x 1944, 2048 x 1536, 1280 x 960, 640 x 480 |
|---|---|---|---|
| | | 3:2 | 3648 × 2432, 3264 × 2176 |
| | | 1:1 | 2736 x 2736, 2448 x 2448 |
| | Movies | | 1280 × 720, 640 × 480, 320 × 240 |
| File size (approx.) | RAW | 16:9 | NORMAL: 12,923 KB/frame, FINE: 14,160 KB/frame, VGA: 11,347 KB/frame |
| | | 4:3 | NORMAL: 17,202 KB/frame, FINE: 18,854 KB/frame, VGA: 15,096 KB/frame |
| | | 3:2 | NORMAL: 15,311 KB/frame, FINE: 16,779 KB/frame, VGA: 13,439 KB/frame |
| | | 1:1 | NORMAL: 12,956 KB/frame, FINE: 14,195 KB/frame, VGA: 11,377 KB/frame |
| | L | 16:9 | NORMAL: 1,630 KB/frame, FINE: 2,779 KB/frame |
| | | 4:3 | NORMAL: 2,169 KB/frame, FINE: 3,704 KB/frame |
| | | 3:2 | NORMAL: 1,930 KB/frame, FINE: 3,295 KB/frame |
| | | 1:1 | NORMAL: 1,633 KB/frame, FINE: 2,784 KB/frame |
| | M | 16:9 | NORMAL: 1,329 KB/frame, FINE: 2,253 KB/frame |
| | | 4:3 | NORMAL: 1,761 KB/frame, FINE: 2,990 KB/frame |
| | | 3:2 | NORMAL: 1,567 KB/frame, FINE: 2,660 KB/frame |
| | | 1:1 | NORMAL: 1,327 KB/frame, FINE: 2,248 KB/frame |
| | 5M | 4:3 | FINE: 2,287 KB/frame |
| | 3M | 4:3 | FINE: 1,474 KB/frame |

| | 1M | 4:3 | FINE: 812 KB/frame |
|---|---|---|---|
| | VGA | 4:3 | FINE: 197 KB/frame |
| Battery life | | | Based on CIPA standard DB-90: approx. 440 shots ) [4] |
| Dimensions (W x H x D) | Camera unit only | | 68.7 mm × 57.9 mm × 44 mm (according to CIPA guidelines) |
| | When mounted on the GXR body | | 113.9 mm × 70.2 mm × 49.8 mm (according to CIPA guidelines) |
| Weight | Camera unit only | | 160 g (not including the lens cap or connector cap) |
| | When mounted on the camera body | | 367 g (including battery, SD memory card, and lens cap) |
| Operating temperature | | | 0 °C to 40 °C |
| Operating humidity | | | 85% or less |
| Storage temperature | | | -20 °C to 60 °C |

- *1 ND filter used for aperture priority AE aperture priority mode.
- *2 The picture quality modes which can be set vary depending on the image size.
- *3 A JPEG file is also recorded (the JPEG file may be a FINE- or NORMAL-quality file with the same dimensions as the RAW file or a VGA file 640 × 480 pixels in size). RAW files use the standard DNG format promoted by Adobe Systems Incorporated.
- *4 For reference only; actual number of shots varies greatly according to how camera is used. We recommend that you carry spare batteries when in use for extended periods. (Shooting capacity was measured using CIPA-standard parameters. These are only estimates; performance may vary depending on usage conditions.)

### RICOH LENS P10 28-300 mm F3.5-5.6 VC SD Memory Card Storage Capacity (Number of Images and Time)

**[Photographs]**

| Compression | Picture size(pixels) | Internal memory | 1GB | 2GB | 4GB | 8GB | 16GB | 32GB |
|---|---|---|---|---|---|---|---|---|
| RAW[*] FINE | 3648x2048 | 6 | 67 | 137 | 270 | 551 | 1105 | 2217 |
| | 3648x2736 | 4 | 50 | 103 | 203 | 415 | 831 | 1688 |
| | 3648x2432 | 5 | 57 | 116 | 228 | 466 | 934 | 1874 |
| | 2736x2736 | 6 | 67 | 137 | 270 | 551 | 1105 | 2217 |
| L | 3648x2048 | 29 | 323 | 653 | 1284 | 2624 | 5257 | 10546 |

| | | Internal memory | 1GB | 2GB | 4GB | 8GB | 16GB | 32GB |
|---|---|---|---|---|---|---|---|---|
| FINE | 3648x2736 | 22 | 242 | 491 | 965 | 1973 | 3953 | 7930 |
| | 3648x2432 | 24 | 272 | 553 | 1087 | 2222 | 4452 | 8930 |
| | 2736x2736 | 29 | 323 | 653 | 1284 | 2624 | 5257 | 10546 |
| M FINE | 3264x1840 | 36 | 397 | 808 | 1588 | 3245 | 6502 | 13043 |
| | 3264x2448 | 27 | 300 | 608 | 1195 | 2442 | 4893 | 9815 |
| | 3264x2176 | 30 | 337 | 683 | 1341 | 2741 | 5491 | 11014 |
| | 2448x2448 | 36 | 400 | 808 | 1588 | 3245 | 6502 | 13043 |
| 5M FINE | 2592x1944 | 34 | 373 | 758 | 1490 | 3045 | 6101 | 12238 |
| 3M FINE | 2048x1536 | 53 | 581 | 1182 | 2321 | 4744 | 9503 | 19063 |
| 1M FINE | 1280x960 | 96 | 1059 | 2118 | 4160 | 8505 | 17039 | 34181 |
| VGA FINE | 640x480 | 395 | 4316 | 8778 | 17237 | 35231 | 70579 | 141581 |

- * When [RAW] is selected, this is the setting used for the JPEG copy.

**[Continuous Mode]**

| Continuous Mode | Image size(pixels) | Internal memory | 1GB | 2GB | 4GB | 8GB | 16GB | 32GB |
|---|---|---|---|---|---|---|---|---|
| M-Cont Plus (Low) | 3648 × 2736 | 38 | 414 | 842 | 1653 | 3379 | 6769 | 13579 |
| M-Cont Plus (High) | 1728 × 1296 | 131 | 1438 | 2926 | 5746 | 11745 | 23530 | 47202 |
| Speed Cont | 640 × 480 | 692 | 7553 | 15359 | 30159 | 61643 | 123489 | 247716 |

**[Movies]**

| Image size (pixels) | Internal memory | 1GB | 2GB | 4GB | 8GB | 16GB | 32GB |
|---|---|---|---|---|---|---|---|
| 1280 × 720 (30frames/sec) | 16sec. | 3min. 3sec. | 6min. 14sec. | 12min. 14sec. | 25min. 1sec. | 50min. 7sec. | 100min. 33sec. |
| 640 × 480 (30frames/sec) | 49sec. | 8min. 55sec. | 18min. 8sec. | 35min. 38sec. | 72min. 50sec. | 145min. 54sec. | 292min. 41sec. |
| 320 × 240 (30frames/sec) | 1min. 59sec. | 21min. 39sec. | 44min. 2sec. | 86min. 28sec. | 176min. 44sec. | 354min. 3sec. | 710min. 13sec. |

- * The maximum uninterrupted recording size for a single movie is 4 GB. The maximum recording time is around 12 minutes at 1280 × 720 size, around 37 minutes at 640 × 480 size, and around 90 minutes at 320 × 240 size.
- * When 1280 x 720 size is set, using SD/SDHC memory cards with a speed class of 6 or more is recommended.

### GR LENS A12 28mm F2.5 - Major Specifications

| Item | | Specifications |
|---|---|---|
| Effective pixels | | Approximately 12.30 million |
| Image sensor | | 23.6×15.7mm CMOS sensor (total pixels: 12.90 millionl pixels) |
| Lens | Focal length | 18.3mm (35 mm camera equivalent: 28 mm) |
| | Aperture (f-number) | f/2.5 – f/22 (ND filter used with apertures for exposure control when f/22 is displayed in auto shooting mode) |
| | Focus range | Approx. 20 cm - infinity (from the front of the lens) |
| | Construction | 9 elements in 6 groups (2 aspherical lens elements with 2 surfaces) |
| | Filter diameter | 40.5mm |
| Zoom | Digital zoom | 4.0x (3.6x for movies) |
| | Auto resize zoom | Approx. 5.9x (          ) |
| Focus Modes | | Contrast AF-based multi and spot AF; MF; Snap; infinity (focus lock and AF-assist) |
| Shutter speed | Photographs | 180 - 1/3200s (upper and lower limits vary according to shooting and flash mode) |
| | Movies | 1/30 – 1/2000 s |
| Exposure control | Metering | TTL-CCD metering in multi (256-segment), center-weighted, and spot metering (TTL metering with auto exposure lock) |
| | Mode | Program AE, aperture priority AE, manual exposure, shutter priority AE, move target function |
| | Exposure compensation | Manual (+4.0 to -4.0 EV in increments 1/3 EV or 1/2 EV), auto bracketing (-2 EV to +2 EV in increments 1/3 EV or 1/2 EV) |
| ISO sensitivity (Standard Output Sensitivity) | | AUTO, AUTO-HI, ISO200, ISO400, ISO800, ISO1600, ISO3200 |
| White balance | | Auto / Multi-P AUTO / Outdoors / Cloudy / Incandescent Lamp 1 / Incandescent Lamp 2 / Fluorescent Lamp / Manual Settings / Detail; white balance Bracketing |
| Flash | | Range (built-in flash):: Approx. 20 cm – 3.0 m (ISO auto) (from front of lens) |
| Shooting mode | | Auto / program shift / aperture priority / shutter priority / manual |

| | | | /scene (movie, portrait, sports, landscape, nightscape, skew correction) / "My Settings" |
|---|---|---|---|
| Continuous mode | Number of pictures shot in Continuous (Picture Size: RAW) | | Noise Reduction on weak or off: 4 pictures Noise Reduction on strong, or MAX: 3 pictures |
| | Number of pictures shot in M-Cont Plus (1 set) | | HI (1280 × 856): 30 pictures (24 frames/sec.) LO (4288 × 2848): 15 pictures (3 frames/sec.) |
| Picture quality[*1] | | | FINE, NORMAL, RAW (DNG) [*2] |
| Image size (pixels) | Photographs | 16:9 | 4288×2416, 3456×1944 |
| | | 4:3 | 3776×2832, 3072×2304, 2592×1944, 2048×1536, 1280×960, 640×480 |
| | | 3:2 | 4288×2848, 3456×2304 |
| | | 1:1 | 2848×2848, 2304×2304 |
| | Movies    24 frames/second | | 1280×720, 640×480, 320×240 |
| File size (approx.) | RAW | 16:9 | NORMAL: 17,800 KB/frame, FINE: 19,515 KB/frame, VGA: 15,587 KB/frame |
| | | 4:3 | NORMAL: 18,387 KB/frame, FINE: 20,157 KB/frame, VGA: 16,124 KB/frame |
| | | 3:2 | NORMAL: 20,946 KB/frame, FINE: 22,967 KB/frame, VGA: 18,337 KB/frame |
| | | 1:1 | NORMAL: 13,991 KB/frame, FINE: 15,333 KB/frame, VGA: 12,273 KB/frame |
| | L | 16:9 | NORMAL: 2,222 KB/frame, FINE: 3,816 KB/frame |
| | | 4:3 | NORMAL: 2,315 KB/frame, FINE: 3,960 KB/frame |
| | | 3:2 | NORMAL: 2,615 KB/frame, FINE: 4,493 KB/frame |
| | | 1:1 | NORMAL: 1,761 KB/frame, FINE: 3,009 KB/frame |
| | M | 16:9 | NORMAL: 1,475 KB/frame, FINE: 2,509 KB/frame |

| | | 4:3 | NORMAL: 1,574 KB/frame, FINE: 2,662 KB/frame |
|---|---|---|---|
| | | 3:2 | NORMAL: 1,744 KB/frame, FINE: 2,968 KB/frame |
| | | 1:1 | NORMAL: 1,186 KB/frame, FINE: 2,003 KB/frame |
| | 5M | 4:3 | FINE: 2,287 KB/frame |
| | 3M | 4:3 | FINE: 1,474 KB/frame |
| | 1M | 4:3 | FINE: 812 KB/frame |
| | VGA | 4:3 | FINE: 197 KB/frame |
| Battery life | | | Based on CIPA standard DB-90 : approx. 320 shots CIPA[3] |
| Dimensions (W × H × D) | | | Camera unit only:68.7 mm × 57.9 mm × 50.4 mm(according to CIPA guidelines) When mounted on the GXR body:113.9 mm × 70.2 mm × 55.6 mm (according to CIPA guidelines) |
| Weight (approx.) | | | Camera unit only: Approx. 210g When mounted on camera body: Approx. 410g (battery and SD memory card included) |
| Operating temperature | | | 0 °C to 40 °C |
| Operating humidity | | | 90% or less |
| Storage temperature: | | | −20 °C to 60 °C |

- *1 The picture quality modes which can be set vary depending on the image size.
- *2 A JPEG file is also recorded (the JPEG file may be a FINE- or NORMAL-quality file with the same dimensions as the RAW file or a VGA file 640 × 480 pixels in size). RAW files use the standard DNG format promoted by Adobe Systems Incorporated.
- *3 For reference only; actual number of shots varies greatly according to how camera is used. We recommend that you carry spare batteries when in use for extended periods. (Shooting capacity was measured using CIPA-standard parameters. These are only estimates; performance may vary depending on usage conditions.)

## GXR MOUNT A12 - Major Specifications

| Item | Specifications |
|---|---|
| Effective pixels | Approximately 12.30 million |

| | | |
|---|---|---|
| Image sensor | | 23.6 mm × 15.7 mm CMOS sensor (total pixels: approx. 12.90 million pixels) |
| Zoom | | Digital zoom: 4.0x (3.6x for movies)<br>Auto resize zoom: Approx. 5.9x (VGA) |
| Focus Mode | | Manual focus |
| Shutter speed | Photographs | 1/4000 - 180 s, bulb, time (upper and lower limits vary according to shooting and flash modes)<br>Maximum flash sync shutter speed: 1/180 s |
| | Movies | 1/2000 - 1/30 s |
| Exposure control | Metering | TTL metering in multi (256-segment), center-weighted, and spot metering (TTL metering with auto exposure lock) |
| | Mode | Aperture priority AE, manual exposure |
| | Exposure compensation | Manual (+4.0 to -4.0 EV in increments of 1/3 EV or 1/2 EV), auto bracketing (-2 EV to +2 EV in increments of 1/3 EV or 1/2 EV) |
| Exposure range<br>(auto mode, center-weighted metering) | | Using standard lens (F2.5): 1.2 EV to 13.2 EV<br>(Exposure range for auto ISO calculated using values for ISO 100.) |
| ISO sensitivity<br>(standard output sensitivity) | | Auto, Auto-Hi, ISO-Lo, ISO 200, ISO 250, ISO 320, ISO 400, ISO 500, ISO 640, ISO 800, ISO 1000, ISO 1250, ISO 1600, ISO 2000, ISO 2500, ISO 3200 |
| White balance | | Auto / Multi-P AUTO / Outdoors / Cloudy / Incandescent Lamp 1 / Incandescent Lamp 2 / Fluorescent Lamp / Manual Settings / Detail; white balance bracketing |
| Flash | Method | TTL, manual, external auto (external flash GF-1 function) |
| | Flash mode | Auto, Anti Red-eye, Flash On, Flash Synchro, Manual, Flash Off |
| | Guide number | 9.6 (ISO 200 equivalent), 6.8 (ISO 100 equivalent) |
| | Illumination angle | 24 mm (35 mm film camera equivalent) |
| | Firing timing | 1st/2nd curtain sync |
| | Other | External flash GF-1 compatibility |
| Shooting mode | | Auto / Program Shift / Aperture Priority / Shutter Priority / Manual / Scene (Movie, Portrait, Sports, Landscape, Nightscape, Skew Correction, Miniaturize, High Contrast B&W, Soft Focus, Cross Process, Toy Camera, Electronic Shutter) / My Settings |
| Continuous | Number of pictures shot | Noise Reduction on weak or off: 4 pictures |

| mode | in Continuous (Picture Size: RAW) | | Noise Reduction on strong: 3 pictures<br>Noise Reduction on MAX: 3 pictures |
|---|---|---|---|
| | Number of pictures shot<br>in M-Cont Plus (1 set) | | HI (1280 × 856): 30 pictures (24 frames/sec.)<br>LO (4288 × 2848): 15 pictures (2.2 frames/sec.) |
| Compression ratio[*1] | | | FINE, NORMAL, RAW (DNG)[*2] |
| Image size<br>(pixels) | Photographs | 16:9 | 4288×2416, 3456×1944 |
| | | 4:3 | 3776×2832, 3072×2304, 2592×1944, 2048×1536, 1280×960, 640×480 |
| | | 3:2 | 4288×2848, 3456×2304 |
| | | 1:1 | 2848×2848, 2304×2304 |
| | Movies | | 1280×720, 640×480, 320×240 |
| File size<br>(approx.) | RAW | 16:9 | NORMAL: 17,800 KB/frame, FINE: 19,515 KB/frame, VGA: 15,587 KB/frame |
| | | 4:3 | NORMAL: 18,387 KB/frame, FINE: 20,157 KB/frame, VGA: 16,124 KB/frame |
| | | 3:2 | NORMAL: 20,946 KB/frame, FINE: 22,967 KB/frame, VGA: 18,337 KB/frame |
| | | 1:1 | NORMAL: 13,991 KB/frame, FINE: 15,333 KB/frame, VGA: 12,273 KB/frame |
| | L | 16:9 | NORMAL: 2,222 KB/frame, FINE: 3,816 KB/frame |
| | | 4:3 | NORMAL: 2,315 KB/frame, FINE: 3,960 KB/frame |
| | | 3:2 | NORMAL: 2,615 KB/frame, FINE: 4,493 KB/frame |
| | | 1:1 | NORMAL: 1,761 KB/frame, FINE: 3,009 KB/frame |
| | M | 16:9 | NORMAL: 1,475 KB/frame, FINE: 2,509 KB/frame |
| | | 4:3 | NORMAL: 1,574 KB/frame, FINE: 2,662 KB/frame |
| | | 3:2 | NORMAL: 1,744 KB/frame, FINE: 2,968 KB/frame |
| | | 1:1 | NORMAL: 1,186 KB/frame, FINE: 2,003 KB/frame |
| | 5M | 4:3 | FINE: 2,287 KB/frame |
| | 3M | 4:3 | FINE: 1,474 KB/frame |

| | | | |
|---|---|---|---|
| 1M | 4:3 | | FINE: 812 KB/frame |
| VGA | 4:3 | | FINE: 197 KB/frame |
| Battery life | | | Based on CIPA standard DB-90: approx. 330 shots[3] |
| Dimensions (W × H × D) | | | Lens mount unit only: 79.1 mm × 60.9 mm × 40.5 mm (according to CIPA guidelines)<br>When mounted on the GXR body: 120.0 mm × 70.2 mm × 45.7 mm (according to CIPA guidelines)<br>Flange back: 27.8 mm |
| Weight (approx.) | | | Lens mount unit only: Approx. 170 g<br>When mounted on camera body: Approx. 370 g (battery and SD memory card included) |
| Operating temperature | | | 0 °C to 40 °C |
| Operating humidity | | | 90% or less |
| Storage temperature | | | −20 °C to 60 °C |

- *1The compression ratios which can be set vary depending on the image size.
- *2A JPEG file is also recorded (the JPEG file may be a FINE- or NORMAL-quality file with the same dimensions as the RAW file or a VGA file 640 × 480 pixels in size). RAW files use the standard DNG format promoted by Adobe Systems Incorporated.
- *3For reference only; actual number of shots varies greatly according to how camera is used. We recommend that you carry spare batteries when in use for extended periods.

## RICOH LENS A16 24-85mm F3.5-5.5 - Major Specifications

| Item | | Specifications |
|---|---|---|
| Effective pixels | | Approximately 16.20 million |
| Image sensor | | 23.6 mm × 15.7 mm    MOS sensor (total pixels: approx. 16.50 million pixels) |
| Lens | Focal length | f=15.7    55.5 mm (35 mm camera equivalent: 24-85 mm) |
| | Aperture (f-number) | f/3.5 – f/5.5 |
| | Focus range | Approx. 25 cm - infinity (from the front of the lens) |
| | Construction | 11 elements in 9 groups (3 aspherical lens elements with 6 surfaces) |
| | Filter diameter | 55mm |

| | | | |
|---|---|---|---|
| Zoom | | | Optical zoom: 3.5x<br>Digital zoom: 4.0x (3.6x for movies)<br>Auto resize zoom: Approx. 6.8x (VGA) |
| Focus Modes | | | Contrast AF-based multi and spot AF; MF; Snap; infinity (focus lock and AF-assist) |
| Shutter speed | Photographs | | 1/3200 - 180 s , bulb, time (upper and lower limits vary according to shooting and flash mode) |
| | Movies | | 1/2000 – 1/30 s |
| Exposure control | Metering | | TTL metering in multi (256-segment), center-weighted, and spot metering (TTL metering with auto exposure lock) |
| | Mode | | Program AE, aperture priority AE, manual exposure, shutter priority AE, target-move function |
| | Exposure compensation | | Manual (-4.0 EV to +4.0 EV in increments of 1/3 EV or 1/2 EV), auto bracketing (-2.0 EV to +2.0 EV in increments of 1/3 EV or 1/2 EV) |
| ISO sensitivity<br>(Standard Output Sensitivity) | | | AUTO, AUTO-HI, ISO-LO, ISO200, ISO250, ISO320, ISO400, ISO500, ISO640, ISO800, ISO1000, ISO1250, ISO1600, ISO2000, ISO2500, ISO3200 |
| White balance | | | Auto / Multi-P AUTO / Outdoors / Cloudy / Incandescent Lamp 1 / Incandescent Lamp 2 / Fluorescent Lamp / Manual Settings / Detail; white balance bracketing |
| Flash (when GF-1 is used) | Method | | TTL, manual, external auto |
| | Flash mode | | Anti Red-eye, Flash On, Flash Synchro, Manual |
| | Firing timing | | 1st/2nd curtain sync |
| Shooting mode | | | Auto / program shift / aperture priority / shutter priority / manual exposure /scene (movie, portrait, sports, landscape, nightscape, skew correction, miniaturize, high contrast B&W, soft focus, cross process, toy camera) / "My Settings" |
| Continuous mode | Number of pictures shot in Continuous (Picture Size: RAW) | | Noise Reduction off: 3 pictures<br>Noise Reduction on: 2 pictures |
| | Number of pictures shot in M-Cont Plus (1 set) | | HI (1280 × 856): 30 pictures (30 frames/sec.)<br>LO (4928 × 3264): 14 pictures (2.5 frames/sec.) |
| Picture quality[1] | | | FINE, NORMAL, RAW (DNG)[2] |
| Image size (pixels) | Photographs | 16:9 | 4928×2768, 3456×1944 |
| | | 4:3 | 4352×3264, 3072×2304, 2592×1944, 2048×1536, 1280×960, |

| | | | |
|---|---|---|---|
| | | | 640×480 |
| | | 3:2 | 4928×3264, 3456×2304 |
| | | 1:1 | 3264×3264, 2304×2304 |
| | Movies | | 1280×720, 640×480, 320×240 |
| File size (approx.) | RAW | 16:9 | NORMAL: 23,445 KB/frame, FINE: 25,703 KB/frame, VGA: 20,508 KB/frame, RAW only: 20,332 KB/frame |
| | | 4:3 | NORMAL: 24,443 KB/frame, FINE: 26,795 KB/frame, VGA: 21,405 KB/frame, RAW only: 21,181 KB/frame |
| | | 3:2 | NORMAL: 27,603 KB/frame, FINE: 30,265 KB/frame, VGA: 24,139K KB/frame RAW only: 23,937 KB/frame |
| | | 1:1 | NORMAL: 18,383 KB/frame, FINE: 20,147 KB/frame, VGA: 16,105 KB/frame RAW only: 15,929 KB/frame |
| | L | 16:9 | NORMAL: 2,901 KB/frame, FINE: 4,999 KB/frame |
| | | 4:3 | NORMAL: 3,041 KB/frame, FINE: 5,226 KB/frame |
| | | 3:2 | NORMAL: 3,415 KB/frame, FINE: 5,889 KB/frame |
| | | 1:1 | NORMAL: 2,288 KB/frame, FINE: 3,927 KB/frame |
| | M | 16:9 | NORMAL: 1,481 KB/frame, FINE: 2,514 KB/frame |
| | | 4:3 | NORMAL: 1,579 KB/frame, FINE: 2,668 KB/frame |
| | | 3:2 | NORMAL: 1,749 KB/frame, FINE: 2,974 KB/frame |
| | | 1:1 | NORMAL: 1,192 KB/frame, FINE: 2,008 KB/frame |
| | 5M | 4:3 | FINE: 2,293 KB/frame |
| | 3M | 4:3 | FINE: 1,479 KB/frame |
| | 1M | 4:3 | FINE: 818 KB/frame |
| | VGA | 4:3 | FINE: 202 KB/frame |
| Battery life | | | Based on CIPA standard, DB-90: approx. 400 shots[*3] |
| Dimensions (W × H × D) | | | Camera unit only: 71.4 mm × 70.5 mm × 93.3 mm (according to CIPA guidelines)<br>When mounted on the GXR body: 113.9 mm × 74.7 mm × 98.5 mm (according to CIPA guidelines) |

| Weight (approx.) | Camera unit only    Approx. 350 g<br>When mounted on camera body: Approx. 550 g    battery and SD memory card included |
|---|---|
| Operating temperature | 0 °C to 40 °C |
| Operating humidity | 90% or less |
| Storage temperature | –20 °C to 60 °C |

- *1The picture quality modes which can be set vary depending on the image size.
- *2A JPEG file is also recorded (the JPEG file may be a FINE- or NORMAL-quality file with the same dimensions as the RAW file or a VGA file 640 × 480 pixels in size). RAW files use the standard DNG format promoted by Adobe Systems Incorporated.
- *3For reference only; actual number of shots varies greatly according to how camera is used. We recommend that you carry spare batteries when in use for extended periods.<br>(Shooting capacity was measured using CIPA-standard parameters. These are only estimates; performance may vary depending on usage conditions.)